

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/066,051
Filing Date	January 31, 2002
First Named Inventor	Li-Shiuan PEH
Art Unit	2123
Examiner Name	Kevin J. TESKA
Attorney Docket Number	100110288-1

Sheet 1 of 6

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
SP	1A	US- 5,634,011-A	05-27-1997	Auerbach et al.	
	1B	US- 5,634,004-A	05-27-1997	Gopinath et al.	
	1C	US- 5,107,489-A	04-21-1992	Brown et al.	
	1D	US- 5,970,232-A	10-19-1999	Passint et al.	
	1E	US- 6,628,649-B1	09-30-2003	Raj et al.	
	1F	US- 6,614,796-B1	09-02-2003	Black et al.	
	1G	US- 5,831,996-A	11-03-1998	Abramovici et al.	
	1H	US- 5,878,232-A	03-02-1999	Peram Marimuthu	
	1I	US- 6,195,355-B1	02-27-2001	Noritoshi Demizu	
	1J	US- 6,701,327-B1	03-02-2004	Jones et al.	
	1K	US- 5,835,498-A	11-10-1998	Kim et al.	
	1L	US- 4,920,487-A	04-24-1990	Paul T. Baffes	
	1M	US- 5,329,619-A	07-12-1994	Pagé et al.	
	1N	US- 5,113,496-A	05-12-1992	McCalley et al.	
	1O	US- 6,594,701-B1	07-15-2003	Alessandro Forin	
	1P	US- 6,557,169-B1	04-29-2003	Bernard Erpeldinger	
	1Q	US- 6,766,381-B1	07-20-2004	Barker et al.	
	1R	US- 6,253,339-B1	06-26-2001	Tse et al.	
	1S	US- 6,701,327-B1	03-02-2004	Jones et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
SP	1T	WO-96/17458-A	06-06-1996	British Telecommunications Public Limited Company		

Examiner
Signature

Shambhavi Patel

Date
Considered

03/01/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 144B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 6**Complete if Known**

Application Number	10/066,051
Filing Date	January 31, 2002
First Named Inventor	Li-Shiuan PEH
Art Unit	2123
Examiner Name	Kevin J. TESKA
Attorney Docket Number	100110288-1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
S	2A	US- 5,524,212-A	06-04-1996	Somani et al.	
	2B	US- 6,603,769-B1	08-05-2003	Thubert et al.	
	2C	US- 6,757,731-B1	06-29-2004	Barnes et al.	
	2D	US- 6,148,000-A	11-14-2000	Feldman et al.	
	2E	US- 6,611,872-B1	08-26-2003	Steven McCanne	
	2F	US- 5,857,180-A	01-05-1999	Hallmark et al.	
	2G	US- 5,307,449-A	04-26-1994	Keiley et al.	
	2H	US- 5,651,005-A	07-22-1997	Kwok et al.	
	2I	US- 6,141,355-A	10-31-2000	Palmer et al.	
	2J	US- 5,838,919-A	11-17-1998	Schwaller et al.	
	2K	US- 6,038,219-A	03-14-2000	Mawhinney et al.	
	2L	US- 6,668,308-B2	12-23-2003	Barroso et al.	
	2M	US- 6,570,850-B1	05-27-2003	Gutierrez et al.	
	2N	US- 6,363,334-B1	03-26-2002	Andrews et al.	
	2O	US- 6,108,782-A	08-22-2000	Fletcher et al.	
	2P	US- 6,539,531-B2	03-25-2003	Miller et al.	
	2Q	US- 5,138,657-A	08-11-1992	Colton et al.	
	2R	US- 6,331,905-B1	12-18-2001	Ellinas et al.	
	2S	US- 6,003,037-A	12-14-1999	Kassabgi et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner
Signature

Shamshari Patel

Date
Considered

03/01/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/066,051
Filing Date	January 31, 2002
First Named Inventor	Li-Shiuan PEH
Art Unit	2123
Examiner Name	Kevin J. TESKA
Attorney Docket Number	100110288-1

Sheet 3 of 6**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
SP	3A	US- 5,245,609-A	09-14-1993	Ofek et al.	
	3B	US- 5,805,578-A	09-08-1993	Stirpe et al.	
	3C	US- 6,047,199-A	04-04-2000	DeMarco	
	3D	US- 5,581,689-A	12-03-1996	Slominski et al.	
	3E	US- 5,815,402-A	09-29-1998	Taylor et al.	
	3F	US- 6,157,645-A	12-05-2000	Shobatake	
	3G	US- 6,212,568-B1	04-03-2001	Miller et al.	
	3H	US- 2003-0145294 A1	07-31-2003	Ward et al.	
	3I	US- 2003-0065758 A1	04-03-2003	O'Sullivan et al.	
	3J	US- 2002-0083159 A1	06-27-2002	Ward et al.	
	3K	US- 6,031,984-A	02-29-2000	Walser	
	3L	US- 6,526,420-B2	02-25-2003	Borowsky et al.	
	3M	US- 2005-0021583-A1	01-17-2005	Andrzejak et al.	
	3N	US- 6,687,222-B1	02-03-2004	Albert et al.	
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
Signature*Shamshad Patel*Date
Considered

03/01/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/066,051
				Filing Date	January 31, 2002
				First Named Inventor	Li-Shiuan PEH
				Art Unit	2123
				Examiner Name	Kevin J. TESKA
Sheet	4	of	6	Attorney Docket Number	100110288-1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SP	4A	Mathew ANDREWS et al., Integrated Scheduling of Unicast and Multicast Traffic in an Input-Queued Switch, 1999. < http://cm.bell-labs.com/cm/ms/who/andrews/infocom99switch.ps >	
	4B	Viraphol CHAIYAKUL, Assignment Decision Diagram for High-Level Synthesis, 1992.	
	4C	Andre DEHON, Notes on Coupling Processors with Reconfigurable Logic, MIT Transit Project, Transit Note #118, 1995.	
	4D	Cathy FULTON et al., Impact Analysis of Packet-Level Scheduling On an ATM Shared-Memory Switch, Infocom, Volume 3 pp. 947-954, 1998, IEEE, New York, NY.	
	4E	Hiroshi INOSE, An Introduction to Digital Integrated Communication Systems, pages 87-89, 1979, Peter Peregrinus Ltd., Stevenage, United Kingdom.	
	4F	A. Richard NEWTON, Interface-Based Design; Introduction, University of California at Berkeley, April 1999.	
	4G	Derek C. W. PAO, A Congestion Control Algorithm for Multipoint-to-Multipoint ABR Service in ATM Network, Proceedings of the IEEE Conference on High Performance Switching and Routing, pp. 167-175, June 26, 2000, IEEE Press, New York, NY.	
	4H	Rainer SCHOENEN et al., Weighted Arbitration Algorithms with Priorities for Input-Queued Switches with 100% Throughput, 1999, < http://www.iss.rwth-aachen.de/Projekte/Theo/papers/Schoenen99bssw.ps.gz >	
	4I	Oryal TANIR et al., Structural Reuse In The Design Of ATM Switch Fabrics, 1997.	
	4J	I. WIDJAJA et al., Performance Issues in VC-Merge Capable ATM LSRs, RFC 2682, September 1999, The Internet Society, Reston, VA.	

Examiner Signature	<i>Shamshari Patel</i>	Date Considered	03/01/06
--------------------	------------------------	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/066,051
				Filing Date	January 31, 2002
				First Named Inventor	Li-Shiuan PEH
				Art Unit	2123
				Examiner Name	Kevin J. TESKA
Sheet	5	of	6	Attorney Docket Number	100110288-1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SP	5A	Julie WARD, US Patent Application No.: 09/707,227, Filing Date: November 6, 2000.	
	5B	Julie WARD et al., Storage Area Network (SAN) Fabric Design, PowerPoint presentation given at Berkeley, IEOR Department Seminar, Berkeley CA, October 8, 2001.	
	5C	Julie WARD et al., Storage Area Network (SAN) Fabric Design, PowerPoint presentation given at the INFORMS International Conference, Maui HI, June 19, 2001.	
	5D	Julie WARD et al., Appia: Automatic Storage Area Network Fabric Design, Conference on File and Storage Technologies (FAST'02), pp. 203-217, January 28, 2002, Usenix, Berkeley, CA.	
	5E	Staffan Bo STRAND, Storage Area Networks and SANTK, Thesis, December 2001, University of Minnesota, Minneapolis, MN.	
	5F	Matthew T. O'KEEFE et al., Designing Fibre Channel Storage Area Networks, February 2001. < http://www.borg.umn.edu/fc/papers/SANTK.pdf >	
	5G	Robert E. BIXBY, Solving Real-World Linear Programs: A Decade and More of Progress, January 2002.	
	5H	Ravindra K. AHUJA et al., Network Flows: Theory, Algorithms, and Applications, pp. 4-9, 649-686, 1993, Prentice-Hall, Upper Saddle River, NJ.	
	5I	Christodoulos A. FLOUDAS et al., Quadratic Optimization, 1995.	
	5J	Parameswaran RAMANATHAN et al., Resource Placement with Multiple Adjacency Constraints in k-ary n-Cubes, 1995.	

Examiner Signature	<i>Shamshari Patel</i>	Date Considered	03/01/06
--------------------	------------------------	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.


¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/066,051
				Filing Date	January 31, 2002
				First Named Inventor	Li-Shiuan PEH
				Art Unit	2123
				Examiner Name	Kevin J. TESKA
Sheet	6	of	6	Attorney Docket Number	100110288-1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SP	6A	Staffan STRAND, Automatic Generation of Core/Edge Topology SANs Using SANTK, May 23, 2002.	
	6B	Joachim P. WALSER, Solving Linear Pseudo-Boolean Constraint Problems with Local Search, 1997, American Association for Artificial Intelligence, Menlo Park, CA.	
	6C	Julie WARD et al., Storage Area Network Fabric Design, PowerPoint presentation given at the Math Sciences Research Institute for Combinatorial Design, Berkeley CA, November 8, 2000.	

Examiner Signature		Date Considered	03/01/06
--------------------	---	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.